

CLAIMS

What is claimed is:

1. A computer implemented method comprising:
determining a context to be applied to an electronic mail message;
5 identifying one or more elements within the electronic mail message based at least in part upon the context; and
associating one or more semantic qualifiers with the one or more elements to provide contextualization of at least a portion of the electronic mail message.
- 10 2. The method of claim 1, wherein the semantic qualifiers comprise one or more metadata tags.
3. The method of claim 1, wherein identifying one or more elements comprises receiving an indication from a user identifying the one or more elements.
- 15 4. The method of claim 1, wherein the one or more elements are automatically identified based at least in part upon the context.
5. The method of claim 4, wherein the context is determined based upon one or
20 more standardized data models.

6. The method of claim 4, wherein the context is determined based upon an XML Schema.

7. The method of claim 1, further comprising aggregating at least a subset of
5 the one or more elements based upon one or more semantic associations.

8. The method of claim 7, wherein the one or more elements are aggregated to form one or more secondary electronic documents.

10 9. The method of claim 7, wherein the one or more elements are aggregated upon transmission of the electronic mail message.

10. The method of claim 1, wherein the one or more elements comprise one or more words.

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11. The method of claim 1, wherein the semantic qualifiers comprise one or more metadata tags.

12. The method of claim 11, wherein the one or more metadata tags are
20 formatted in accordance with one or more markup language syntaxes.

13. A method comprising:

receiving an indication from a user identifying one or more text elements within an electronic mail message;

determining whether or not the identified one or more text elements corresponds to an identified context; and

5 automatically associating one or more semantic qualifiers with the one or more identified text elements to provide contextualization of at least one of the electronic mail message and the one or more text elements upon determining that the identified one or more text elements correspond to the identified context.

10 14. The method of claim 13, wherein the one or more text elements comprise one or more words.

15. The method of claim 13, wherein the semantic qualifiers comprise one or more metadata tags.

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16. The method of claim 15, wherein associating one or more semantic qualifiers with the one or more identified text elements comprises embedding the one or more metadata tags within the electronic mail message.

20 17. The method of claim 13, wherein the context is determined based upon one or more standardized data models.

18. The method of claim 13, further comprising:

identifying a set of attributes associated with the identified one or more text elements; and

displaying the set of attributes to the user.

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19. The method of claim 18, further comprising:

receiving a second indication from the user identifying an attribute from the set of attributes displayed to the user; and

automatically associating a second one or more semantic qualifiers with the

10 identified one or more text elements to facilitate contextualizing of at least a subset of the one or more elements within the electronic mail message.

20. A method comprising:

receiving first user input identifying a portion of an electronic mail message;

15 receiving second user input assigning one or more semantic qualifiers to the identified portion; and

automatically associating the one or more semantic qualifiers with the

identified portion of the electronic mail message to facilitate contextualization of the identified portion.

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21. The method of claim 20, further comprising:

determining whether or not the one or more semantic qualifiers are present within a context; and

displaying to the user, one or more selectable attributes corresponding to the one or more semantic qualifiers to facilitate further contextualization of the identified

5 portion, upon determining that the one or more semantic qualifiers are present within the context.

22. The method of claim 20, wherein the electronic mail message comprises a header section and a body section, and wherein the identified portion of the
10 electronic mail message comprises a selected one or more words from the body section.

23. The method of claim 22, wherein the one or more semantic qualifiers are included within the body section of the electronic mail message.

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24. The method of claim 22, wherein the one or more semantic qualifiers are included within the header section of the electronic mail message.

25. A computing device comprising:

20 a storage medium having stored therein a plurality of programming instructions designed to perform the method of

determining a context to be applied to an electronic mail message,

identifying one or more elements within the electronic mail message
based at least in part upon the context,

associating one or more semantic qualifiers with the one or more
elements to provide contextualization of at least a portion of the electronic

5 mail message; and

at least one processor communicatively coupled to the storage medium to
execute the programming instructions.

26. The computing device of claim 25, wherein the semantic qualifiers comprise
10 one or more metadata tags.

27. The computing device of claim 25, wherein identifying one or more elements
comprises receiving an indication from a user identifying the one or more elements.

15 28. The computing device of claim 25, wherein the one or more elements are
automatically identified based at least in part upon the context.

29. The computing device of claim 28, wherein the context is determined based
upon one or more standardized data models.

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30. The computing device of claim 28, wherein the context is determined based
upon an XML Schema.

31. The computing device of claim 25, wherein the plurality of programming instructions are further designed to aggregate at least a subset of the one or more elements based upon one or more semantic associations.

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32. The computing device of claim 31, wherein the one or more elements are aggregated to form one or more secondary electronic documents.

33. The computing device of claim 31, wherein the one or more elements are
10 aggregated upon transmission of the electronic mail message.

34. The computing device of claim 25, wherein the one or more elements comprise one or more words.

15 35. The computing device of claim 25, wherein the semantic qualifiers comprise one or more metadata tags.

36. The computing device of claim 35, wherein the one or more metadata tags are formatted in accordance with one or more markup language syntaxes.

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37. A computing device comprising:

a storage medium having stored therein a plurality of programming instructions designed to perform the method of

receiving an indication from a user identifying one or more text elements within an electronic mail message,

5 determining whether or not the identified one or more text elements corresponds to an identified context,

automatically associating one or more semantic qualifiers with the one or more identified text elements to provide contextualization of at least one of the electronic mail message and the one or more text elements upon

10 determining that the identified one or more text elements correspond to the identified context; and

at least one processor communicatively coupled to the storage medium to execute the programming instructions.

15 38. The computing device of claim 37, wherein the one or more text elements comprise one or more words.

39. The computing device of claim 37, wherein the semantic qualifiers comprise one or more metadata tags.

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40. The computing device of claim 39, wherein associating one or more semantic qualifiers with the one or more identified text elements comprises embedding the one or more metadata tags within the electronic mail message.

5 41. The computing device of claim 37, wherein the context is determined based upon one or more standardized data models.

42. The computing device of claim 37, wherein the plurality of programming instructions are further designed to

10 identify a set of attributes associated with the identified one or more text elements; and

display the set of attributes to the user.

43. The computing device of claim 42, wherein the plurality of programming instructions are further designed to

15 receive a second indication from the user identifying an attribute from the set of attributes displayed to the user; and

automatically associate a second one or more semantic qualifiers with the identified one or more text elements to facilitate contextualizing of at least a subset
20 of the one or more elements within the electronic mail message.

44. A computing device comprising:

a storage medium having stored therein a plurality of programming instructions designed to perform the method of

receiving first user input identifying a portion of an electronic mail message,

5 receiving second user input assigning one or more semantic qualifiers to the identified portion, and

automatically associating the one or more semantic qualifiers with the identified portion of the electronic mail message to facilitate contextualization of the identified portion; and

10 at least one processor communicatively coupled to the storage medium to execute the programming instructions.

45. The computing device of claim 44, wherein the plurality of programming instructions are further designed to

15 determine whether or not the one or more semantic qualifiers are present within a context; and

display to the user, one or more selectable attributes corresponding to the one or more semantic qualifiers to facilitate further contextualization of the identified portion, upon determining that the one or more semantic qualifiers are present
20 within the context.

46. The computing device of claim 44, wherein the electronic mail message comprises a header section and a body section, and wherein the identified portion of the electronic mail message comprises a selected one or more words from the body section.

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47. The computing device of claim 46, wherein the one or more semantic qualifiers are included within the body section of the electronic mail message.

48. The computing device of claim 46, wherein the one or more semantic
10 qualifiers are included within the header section of the electronic mail message.